



# ***ASTRONOMY & SPACE SLIDES***

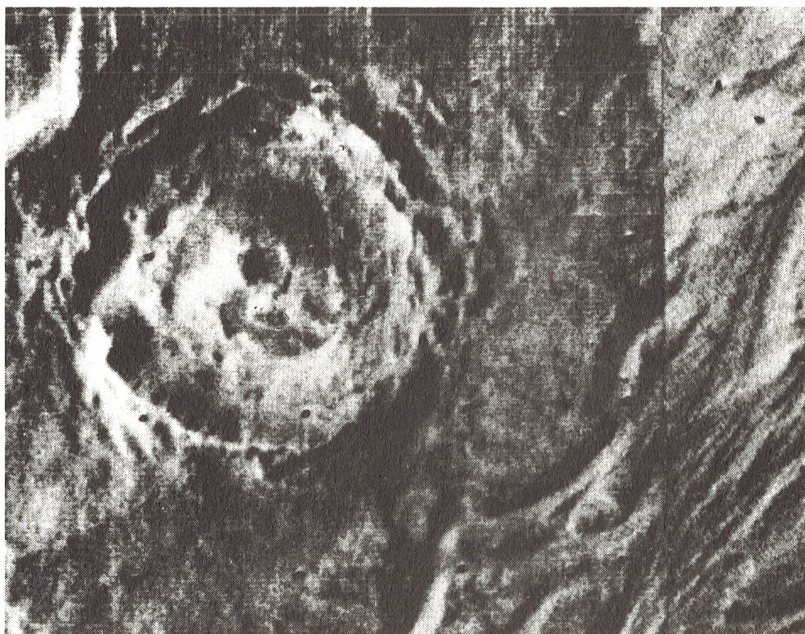
**ASTRO CARDS<sup>®</sup>**

P. O. BOX 35

NATRONA HEIGHTS, PA.

15065 U.S.A.





## **MARINER 9 A NEW IMAGE OF MARS**

### **Series A ..... 20 b&w slides**

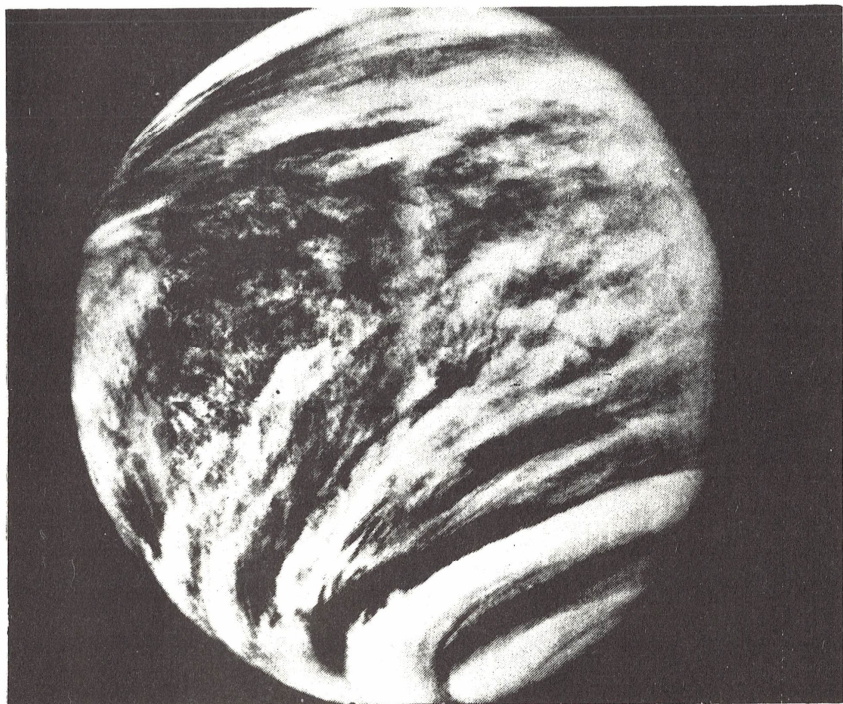
To the amazement of scientists, Mariner 9 arrived at Mars during a great dust storm that engulfed the entire planet. As the storm subsided, the probe began to record Mars surface features. These superb slides feature photos as close as 2072 miles (3343 kilometers), the gaint volcano, Nix Olympica, the Martian canyonlands, and the first view of it's moons, Phobos and Deimos.

### **Series B ..... 20 b&w slides**

20 more splendid photographs of Martian surface features from the Mariner orbiter including: the Grand Canyon of Mars, Noctis Lacus-fractured volcanic tablelands, 700 kilometer long sinuous valley in the Rosena Region, dark splotches in the south temperate zone, carbon dioxide clouds, frost-rimmed craters, mosaic of the equatorial region and much more.

**COVER: Voyager I discovers hundreds of individual ringlets in Saturns rings**





## MARINER 10 FLY-BY OF VENUS & MERCURY

### **Series A ..... 20 b&w slides**

- \* Computer-enhanced, ultraviolet photos of venus smooth streamline cloud flow
- \* Dark belts & spiral-like streaks
- \* View of Venus haze layers (limb view)
- \* Venus 85% illuminated disc
- \* Southern hemisphere mosaic of Venus from only 450,000 miles

Mercury gives up it's role as the mystery planet as it reveals it's densely cratered surface to Mariner 10 cameras:

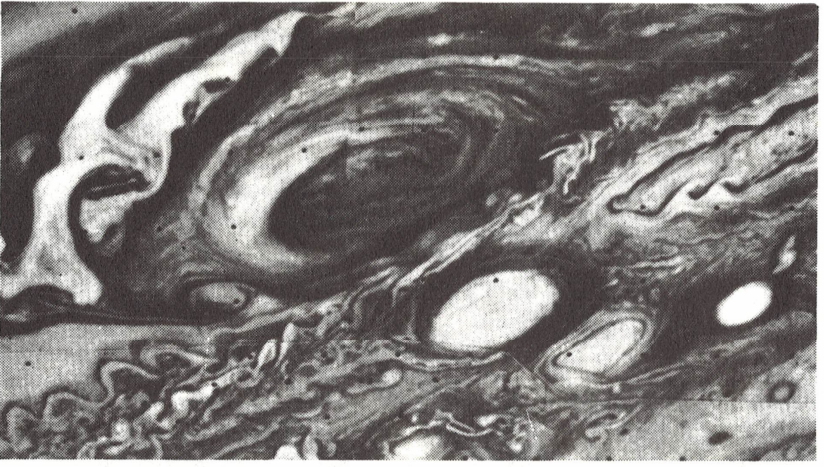
- \* Craters as small as 500 ft. (150 meters) are resolved in these photographs
- \* Linear Groves
- \* Bright halo craters
- \* Mare material similar to that found on Earth's moon

### **Series B ..... 14 b&w slides**

(SECOND FLY-BY OF MERCURY)

- \* Photos as close as 3,000 miles (4800 k)
- \* Double ring and bright rayed craters
- \* Scarps, or cliffs more than 185 miles (300 kilometers) long
- \* Views of densely cratered regions
- \* View of Mercury's south pole





JUPITERS GREAT RED SPOT

## VOYAGER 1 - JUPITER

20 color slides

The most spectacular photos ever from NASA space probes, showing features less than 4 miles across on Jupiter. Includes:

- \* Complex cloud formations, white ovals, and hot spots.
- \* Structure of Jupiter's Great Red Spot.
- \* Amilthea, Io, Europa, Ganymede, & Callisto.
- \* Erupting volcanoes of Io.

## VOYAGER 2 - JUPITER

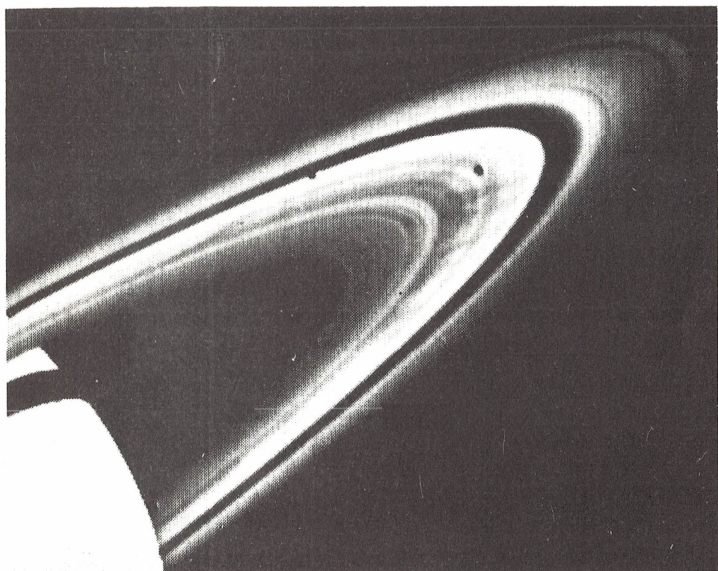
20 color slides

- \* Jupiter's ring system.
- \* Close-up of Great Red Spot.
- \* Brown "barges" and belt interactions.
- \* Eruption plumes, caldera gases, sulfur dioxide snow on Io.
- \* Opposite sides of Europa, Ganymede and Callisto.

### FRACTURED ICE-CRUST SURFACE OF EUROPA







**RADIAL SPOKES DISCOVERED IN SATURN'S RINGS**

## **VOYAGER I - SATURN**

**Sets of 20 & 40 color slides**

Splendid sets of slides from JPL, reveals the complex nature of Saturn, it's rings and features of it's moons. Included are:

- \* Enhanced images of Saturn's belts, zones, ovals, and convective clouds.
- \* Radial spoke-like features in the rings.
- \* Braided F-ring, showing two separate orbits.
- \* Clouds and thick haze of Titan.
- \* Heavily cratered moons, Mimas & Dione.
- \* Close-up of rings from 717,000 km.
- \* Beautiful approach photos showing Saturn and ring system.
- \* Montage of Saturn and it's moons.

**SATURN'S BRAIDED F-RING SHOWING SEPARATE ORBITS**







## **40 COLOR SLIDES AND CASSETTE WITH MUSIC AND NARRATION**

Audio-Visual programs from Holiday, add sound to your slide show, without expensive or special equipment. You need only a 35mm slide projector and a cassette tape player. Each package contains a high fidelity cassette with original narration and music background along with a tone when you are to advance your slide; complete with 40 excellent color slides selected to tell a story matching the accompanying narration. This is one of our best values for EDUCATION, CLUB MEETINGS and HOME ENTERTAINMENT.

### **THE STORY OF OUR UNIVERSE ALABAMA SPACE & ROCKET CENTER**

**APOLLO 11**

**APOLLO 17**

**APOLLO SPECIAL (100 slides)**

**APOLLO - SOYUZ**

**KENNEDY SPACE CENTER**

**MARS - MARINER 9**

**MOUNT ST. HELEN'S ERUPTION**

**SPACE SHUTTLE**

**VIKING - MARS LANDING**

**VOYAGERS ENCOUNTER JUPITER**

**VOYAGER I ENCOUNTERS SATURN**





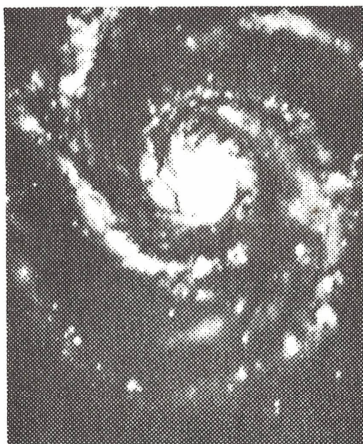
Trifid Nebula

## *Space & Science Series*

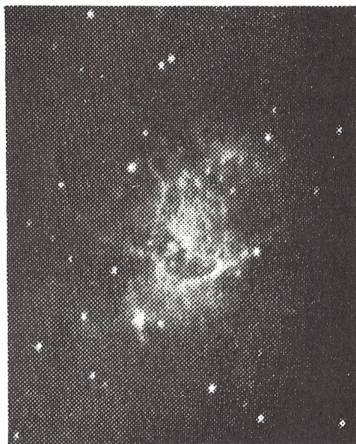
### **GALAXIES & NEBULAE**

**Series A . . . . . 25 color slides**

- |  |                     |
|--|---------------------|
| *Crab Nebula                           | *Dumbbell Nebula    |
| *Rosette Nebula                        | *Eagle Nebula       |
| *Trifid Nebula                         | *Lagoon Nebula      |
| *Ring Nebula                           | *Quasar 3C-273      |
| *Andromeda Galaxy                      | *Omega Nebula       |
| *N. American Nebula                    | *Whirlpool Galaxy   |
| *Great Orion Nebula                    | *Spiral Galaxy 224  |
| *Horsehead Nebula                      | *Spiral Galaxy 6946 |
| *Horsehead Close-up                    | *Spiral Galaxy 7331 |
| *6543, Planetary Nebula in Draco       |                     |
| *Double Star Cluster in Perseus        |                     |
| *Milky Way in Cygnus and Sagittarius   |                     |
| *4565, Spiral Galaxy in Coma Berenices |                     |



Whirlpool Galaxy



Crab Nebula





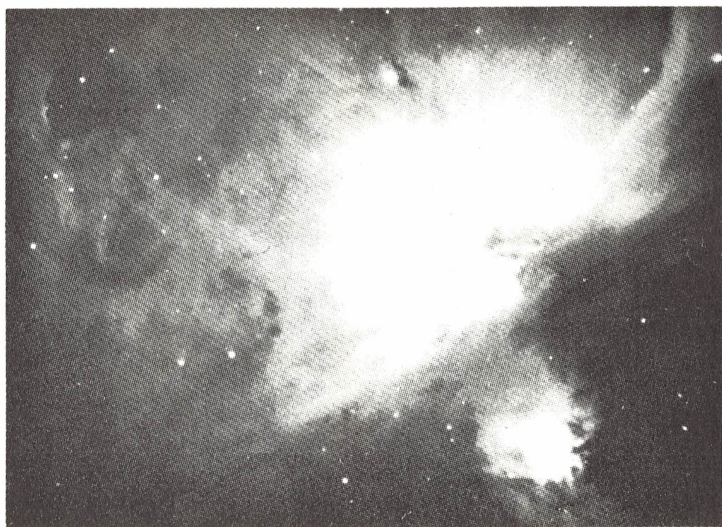
Pleiades

## *Space & Science Series*

### **GALAXIES & NEBULAE**

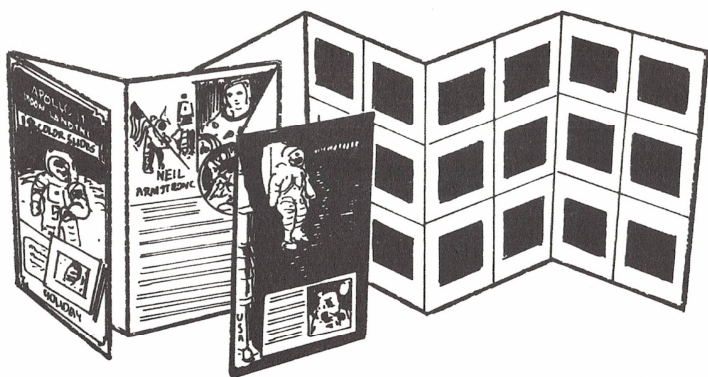
**Series B . . . . . 25 color slides**

- |                                       |                        |
|---------------------------------------|------------------------|
| * Helix Nebula                        | * M45, Pleiades        |
| * Lagoon Nebula                       | * Sombrero Galaxy      |
| * N. American Nebula                  | * Rosette Nebula       |
| * Ring Nebula                         | * Trifid Nebula        |
| * Veil Nebula                         | * M13 Hercules Cluster |
| * Great Orion Nebula                  | * 7635 Bubble Nebula   |
| * M33 Pinwheel Galaxy                 | * M31, Central Bulge   |
| * M82 Irregular Galaxy in Ursa Major  |                        |
| * Great Sagittarius Star Cloud        |                        |
| * 2403 Galaxy in Camelopardallis      |                        |
| * M32 Elliptical Galaxy               |                        |
| * 5902 Edge-On Spiral Galaxy in Draco |                        |
| * North Circumpolar Star Trails       |                        |



Orion Nebula





## PICTORIAL GUIDE SETS

18 color slide sets in brochure, with history, photos, maps, diagrams, and charts, that tell a complete story of the subject. Sets Available:

APOLLO 8	APOLLO 9	APOLLO 10
APOLLO 11	APOLLO 12	APOLLO 13
APOLLO 14	APOLLO 15	APOLLO 16
APOLLO 17		APOLLO-SOYUZ

MERCURY & GEMINI FLIGHTS  
MOUNT ST. HELENS ERUPTION  
SKYLAB  
SPACE SHUTTLE  
OUR UNIVERSE  
UFO MYSTERY  
VIKING 1 & 2 ON MARS



## BI-MEDIA 40 COLOR SLIDE PROGRAMS

Cassette tape with  
music & narration.

*New programs available:*

ALABAMA SPACE AND ROCKET CENTER  
APOLLO SPECIAL (100 Slides)  
KENNEDY SPACE CENTER  
MOUNT ST. HELEN'S ERUPTION  
VOYAGER-JUPITER





## **GIANT SLIDE SETS IN DELUXE ALBUM**

**with information guide**



### **Man on the Moon**

APOLLO 11 - 100 slides

APOLLO 12 - 80 slides

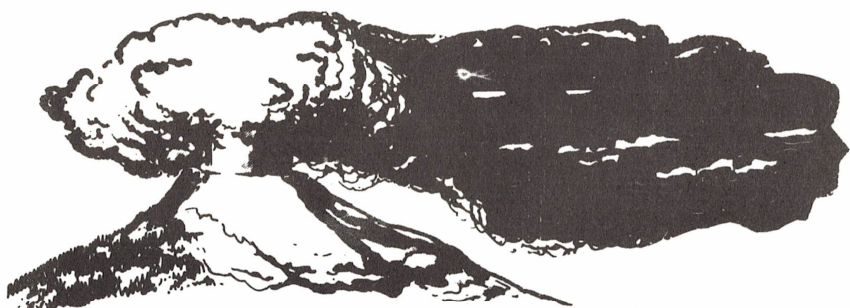
APOLLO 14 - 80 slides

APOLLO 15 - 80 slides

APOLLO 16 - 80 slides

APOLLO 17 - 80 slides

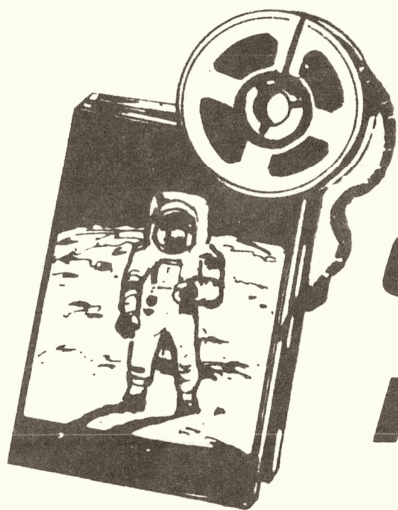
APOLLO SPECIAL - 100 slides & tape program



### **MOUNT ST. HELEN'S ERUPTION**

Described by geologists as a once in a lifetime event, Mount St. Helen erupted in a titanic explosion on May 18, 1980, unparalleled in the continental United States in 3,500 years. These dramatic color photos were taken by top newspaper and TV photographers. Available:

**18 SLIDE PICTORIAL GUIDE SET  
40 SLIDES & CASSETTE TAPE PROGRAM**



**SUPER 8**

# ***COLOR MOVIES***

Color movies of historical space flights and other subjects of astronomical interest. Original footage obtained from either NASA or Jet Propulsion Laboratory. Each film is 12-16 minutes long.

**JUPITER**

**\* MYSTERIES OF THE UNIVERSE**

**SATURN**

**SKYLAB**

**SOLAR SYSTEM**

**\* SPACE SHUTTLE**

**THE SUN**

**APOLLO - SOYUZ**

**APOLLO 10**

**\* APOLLO 11**

**APOLLO 12**

**APOLLO 14**

**APOLLO 15**

**APOLLO 16**

**APOLLO 17**

**Each film only . . . . \$26.95**

**\* Also available  
with sound . . . . . \$34.95**

**MT. ST. HELEN'S ERUPTION**

*Due to royalties*

**\$29.95**

**sound \$39.95**



## **VOYAGER 2**

# **SATURN**

Just released by JPL, we now offer the latest photos from Voyager 2's fly-by of Saturn. Included are:

- \* Superb new images of Saturn's belts, zones, ovals, and convective clouds.
- \* New close-ups of Saturn's rings.
- \* Close-up of spokes in B-ring.
- \* Enhanced images of Saturn's light & dark atmospheric bands.
- \* Oval-shaped storm in N. hemisphere.
- \* Icy surface of Enceladus.
- \* New images of Iapetus, Hyperion, Tethys and other satellites.
- \* Approach photos showing Saturn and complete ring system.

### **VOYAGER 2 - SATURN SPECIAL**

In album      60 color slides - \$19.95

### **BEST VOYAGER 2 - SATURN**

20 color slides - \$9.50

### **VOYAGER 2 - SATURN TAPE PROGRAM**

with 40 color slides - \$14.95

### **VOYAGER 1 - SATURN MOVIE**

Shows movement of Saturn's belts, zones, and rings by time-lapse photography.

Super 8, in color - \$26.95

## **SPACE SHUTTLE COLUMBIA**

### **FIRST SHUTTLE FLIGHT**

20 color slides - \$8.50

Tape program & 40 color slides - \$14.95

# PRICE LIST-1982

Prices subject to change.

Listed alphabetically - order by title.

All slides are standard 2x2 mounts.

## ALABAMA SPACE & ROCKET CENTER

With tape program & 40 slides - \$14.95  
APOLLO-Best of series (20ea.) - \$8.50ea.

Apollo 8      Apollo 9      Apollo 10

Apollo 12      Apollo 13      Apollo 14

Apollo 15      Apollo 16      Apollo 17

Apollo 11 with Pic. Guide (18) - \$8.50

## APOLLO MOON FLIGHTS (Larger sets)

Apollo 8      52 - \$19.50

Apollo 9      48 - \$18.00

Apollo 10      48 - \$18.00

Apollo 11 in album      100 - \$26.95

Apollo 12 in album      80 - \$23.95

Apollo 13      40 - \$15.00

Apollo 14 in album      80 - \$23.95

Apollo 15 in album      80 - \$23.95

Apollo 16 in album      80 - \$23.95

Apollo 17 in album      80 - \$23.95

## APOLLO MOVIES, Super 8 in Color.

Apollo 10      Apollo 11      Apollo 12

Apollo 14      Apollo 15      Apollo 16

Apollo 17 ..... \$26.95 each

Apollo 11 with sound ..... \$34.95

## APOLLO MOON FLIGHTS with tape program.

Apollo 11      40 slides - \$14.95

Apollo 17      40 slides - \$14.95

Apollo Special      100 slides - \$26.95

## APOLLO-SOYUZ      20 slides - \$8.50

With tape program & 40 slides - \$14.95

Movie, Super 8 in Color      \$26.95

## ASTRO CARDS - INDEX CARD FINDER CHARTS

Star charts made especially for use at  
the telescope.      75 charts per set.

Set 1 - THE MESSIER OBJECTS      \$7.50

Set 2 - THE FINEST NGC OBJECTS      \$7.50

Set 3 - THE FINEST DOUBLE STARS      \$7.50

Set 4 - THE FINEST NGC, Part B      \$7.50

2 or more \$7.00ea., 4 or more \$6.50ea.

## BEST ASTRONOMY & SPACE EXPLORATION

Close out sale.      44 slides - \$15.00

## COLORFUL HEAVENS - Deep-Sky photographs

by Hans Vehrenberg      20 slides - \$10.00



# PRICE LIST

- JUPITER - Best Voyager 1 (20) - \$9.50  
JUPITER - Best Voyager 2 (20) - \$9.50  
JUPITER-VOYAGER 1 & 2 SPECIAL in album  
(Jupiter, Ring, Moons.) (100) - \$29.95  
JUPITER-VOYAGER tape program (40) \$14.95  
JUPITER MOVIE, Super 8 in Color - \$26.95  
KENNEDY SPACE CENTER  
With tape program & 40 slides - \$14.95  
MARS-MARINER 9 - A NEW IMAGE OF MARS  
Series A, 20 slides - \$8.50  
Series B, 20 slides - \$8.50  
With tape program & 40 slides - \$14.95  
MARS-VIKING 1 Landers on Mars  
Series G, 15 slides - \$7.50  
Series H, 23 slides - \$9.75  
Series J, 5 slides - \$3.00  
Series K, 20 slides - \$8.50  
Combined Sets, 63 slides - \$28.00  
MARS-VIKING 2 Landers on Mars  
Series A, 8 slides - \$3.50  
Series B, 13 slides - \$7.50  
Series L, 8 slides - \$4.00  
Combined Sets, 29 slides - \$14.50  
MARS-BEST VIKING 1 & 2 (20) - \$9.50  
MARS-VIKING with tape/40 slides - \$14.95  
MERCURY & VENUS-Mariner 10 Fly-by.  
Series A, 20 slides - \$8.50  
Series B, 14 slides - \$7.50  
MERCURY & GEMINI FLIGHTS (20) - \$8.50  
MOUNT ST. HELEN'S ERUPTION (18) - \$8.50  
With tape program & 40 slides - \$14.95  
Movie, Super 8 in Color \$29.95  
Movie, Super 8 in Color (Sound) \$39.95  
MOVIES, SUPER 8 IN COLOR (See titles)  
All movies are 12 to 16 mins. \$26.95  
With sound-see titles available \$34.95  
Except Mt. St. Helen - see above.  
PHOTOS - WE NOW OFFER A COMPLETE NEW  
SERIES OF BEAUTIFUL 5x7, 8x10, & 16x20  
PRINTS. Please send for information.  
NOTE: The Photo Packet Sets of 12 are  
no longer available. We still have a  
limited supply of the Space Shuttle &  
Skylab Sets at \$2.95 per set.

# PRICE LIST

## PICTORIAL GUIDE SETS (18 slides)

Apollo 11, Our Universe, Mt. St. Helen  
at \$8.50 ea. Voyager 1-Saturn - \$9.50  
PLANETS, COMET, METEORS (20) - \$10.00  
PLANET PORTRAITS, Six 8x10 photos \$11.95

Close-out, not shown in catalog.

## POST CARD SETS Set of 12 - \$1.75

SATURN - Voyager 1 pic. guide (18) \$9.50

SATURN - Voyager 2 Best of (20) \$9.50

SATURN-VOYAGER 2 SPECIAL album (60) \$19.95

SATURN-VOYAGER 1 tape program (40) \$14.95

SATURN-VOYAGER 2 tape program (40) \$14.95

SATURN-Voy.1-MOVIE, Super 8, color \$26.95

SKYLAB - Best of 20 slides - \$8.50

Movie, Super 8 in Color \$26.95

SOLAR ECLIPSE 1979 20 slides - \$8.50

SOLAR SYSTEM 20 slides - \$8.50

Movie, Super 8 in Color \$26.95

## SPACE & SCIENCE SERIES

GALAXIES & NEBULAE Pt. A (25) - \$9.75

GALAXIES & NEBULAE Pt. B (25) - \$9.75

OBJECTS OF SOLAR SYSTEM (20) - \$8.50

SUN/HISTORY OF A STAR (20) - \$8.50

SPECIAL - Combined 90 slides - \$32.95

EARTH FROM SPACE (25) - \$9.75

SPACE SHUTTLE COLUMBIA 20 slides - \$8.50

With tape program & 40 slides - \$14.95

Movie, Super 8 in Color \$26.95

Movie, Super 8 in Color (Sound) \$34.95

SPECTROSCOPIC FILM - Please see next page

SUN - Movie, Super 8 in Color \$26.95

TAPE/SLIDE PROGRAMS (Music & Narration)

All programs with 40 slides - \$14.95

APOLLO SPECIAL 100 slides - \$26.95

UFO MYSTERY 20 slides - \$8.50

U. S. NAVAL OBSERVATORY PHOTOS (Slides)

THE SKIES ABOVE (20) \$10.00

FROM HERE TO THE GALAXIES (20) \$10.00

UNIVERSE, MYSTERIES OF

Movie, Super 8 in Color \$26.95

Movie, Super 8 in Color (Sound) \$34.95

UNIVERSE, OUR Pic. Guide (18) \$8.50

With tape program & 40 slides - \$14.95

VENUS - PIONEER 1 30 slides - \$15.00

HOW TO ORDER - Please turn to next page.



# COLOR POSTCARDS-Sets of 12

APOLLO-MAN ON THE MOON

LICK OBSERVATORY

THE SOLAR SYSTEM

WONDERS OF THE UNIVERSE

CONSTELLATION SETS: ZODAK, SUMMER  
AUTUMN, WINTER & SPRING (5 sets)

## \* \* HOW TO ORDER \* \*

No special order forms required. Simply write a letter listing the items wanted by title and price.

U.S.A.

All items are postpaid in U.S.A.

Add .50¢ if total is less than \$5.00.

Pennsylvania residents add 6% sales tax.

ALL FOREIGN COUNTRIES (Including Canada)

Please make payment in U.S. dollars only by bank check, payable through any U. S. bank, or send international money order. Please do not send personal checks from banks outside the U.S.A.

FOREIGN POSTAGE: You may send for price quote, postage will be charged by exact weight. If you need faster service, you may estimate postage as follows:

SURFACE SHIPMENT:- ALL COUNTRIES:

Add 10% extra, plus \$2.00 insurance.

AIRMAIL SHIPMENT:

CANADA: Add 10% extra.

MEXICO & SOUTH AMERICA: Add 20% extra.

EUROPE: Add 20% extra.

AUSTRALIA, JAPAN, PACIFIC, Etc.

Add 25% extra.

Any excess will be refunded.

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# KODAK SPECTROSCOPIC FILM

The finest b&w film available for long exposure photography of stars & nebulae.

With Rem-Jet antihalation backing.

Choice of 103a-E, 103a-F, 103a-0

36 ex. rolls ..... \$6.95 ea.

3 or more \$6.25 ea. 5 or more \$5.50 ea.

100 ft. Bulk Roll ..... \$73.50 ea.  
(Choice of 103a-E & 103a-F only.)

IMPORTANT NOTICE: This is our last shipment of film at the present prices. When this supply is gone, bulk rolls will increase in price to \$119.95.

CLOSE-OUT SALE: 12 ex. & 20 ex. rolls will be sold at the old prices until they are gone. Discontinued -- 60 ft. bulk rolls.

## KODAK TECHNICAL PAN 2415

(Replaces S0-115 & S0-410)

A fine grain, black & white film for planetary & Lunar photography. ASA 160.

36 ex. roll-\$3.50ea., 3 or more-\$3.25ea.

150 ft. Bulk Roll - \$32.00.

FILMS FOR ASTROPHOTOGRAPHY (16 pages)  
Processing and film data booklet - \$1.00  
FREE with any \$10.00 film order.

Our film is freezer stored and guaranteed fresh. 103a is shipped only on Monday & Tuesday. (Wednesday to local zones.) Order before the weekend for immediate shipment.



# VOYAGER 1 & 2 - SPECIAL !

## JUPITER

- \* Photomosaics of entire planet
- \* Photomosaics of selected regions
- \* Structure of Great Red Spot
- \* White ovals and hot spots
- \* Complex cloud formations
- \* Features less than 4 miles across
- \* Amalthea, Io, Europa, Ganymede and Callisto
- \* Overall views, photomosaics and selected regions of each moon
- \* Features less than 1/4 mile across
- \* Erupting volcanoes of Io
- \* Jupiter's ring
- \* Complete ring system including the latest color photo showing the red, blue and white crescent of Jupiter contrasted by the pale orange ring system with the shadow of Jupiter cast on the rings
- \* New color closeups of Europa & Ganymede
- \* Opposite side of Io, Europa, Ganymede and Callisto
- \* Eruption plumes, caldera gases, sulfur dioxide snow
- \* New color photomosaics of Great Red Spot
- \* Brown "barges" and belt interactions
- \* Photo Analysis Report on each slide by project scientists



**GIANT SLIDE SET  
IN DELUXE ALBUM**

**with information guide**

**100  
COLOR SLIDES**

**(30¢ ea.)**

**only \$29.95**

## **PIONEER VENUS**

The best color selections from 347 photos of Venus taken by the Pioneer Venus 1 orbiter from approximately 30,000 miles. Includes cloud complexes and layers, planet phases, radar surface images of a 37,000-foot mountain & 900-mile canyon.

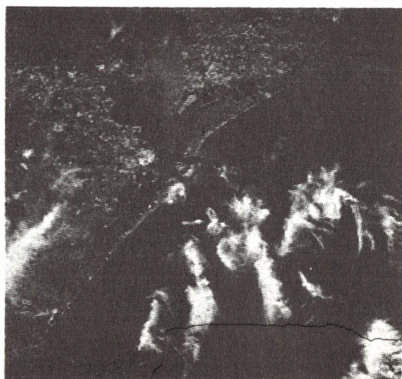
30 color slides

## **1979 SOLAR ECLIPSE**

Nothing matches the beauty and splendor of a total eclipse of the Sun. This set is a selection of some of the best photos taken of the 1979 Solar Eclipse visible over North America.

20 color slides

## *Space & Science Series*



## **EARTH FROM SPACE**

25 color slides of Earth views from space: Includes Full Earth Views, Himalaya Mts., Gulf of California, Los Angeles, Southern California, Nile River Delta, High Sierras, Gulf of Mexico, Mediterranean, U.S. East Coast, Hugh Storm, Hurricane Ellen, Storm off Africa, Florida Weather, Typhoon, Eddies, Moon over Clouds, Cloud Cover and Unusual Clouds all photographed from orbiting spacecraft.





**V17 MILKY WAY** in Sagittarius



**V19 LARGE MAGELLANIC CLOUD** with Tarantula Nebula

## **THE COLORFUL HEAVENS**

20 color slides by well known astrophotographer, Hans Vehrenberg. Includes many wide-field views not available in other slide sets, Total Eclipse of both Sun & Moon, Aurora Borealis, Comet West, Nebulae in Scorpius, Orion's Belt, Trifid & Lagoon Nebulae, California Nebula, N. American Nebula, Eta Carinae Nebula, Veil Nebula, Praesepe, Milky Way, Omega Centauri, and Magellanic Clouds.



**USNO 31 Spiral Galaxy** in Coma Berenices M64



**USNO 34 Spiral Galaxy** in Canes Venatici M106

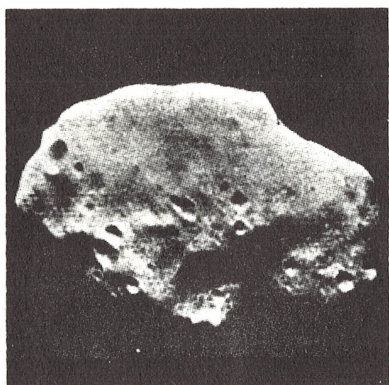
## **FROM HERE TO THE GALAXIES**

20 color slides from the U.S. Naval Observatory at Flagstaff, Arizona. This dramatic set includes: Lunar views of The Sea of Fertility & Lake of Dreams, Comet Ikeya-Seki at Sunrise, Trapezium, Helix Nebula, The Milky Way in Cygnus & Sagittarius, Spiral Galaxies M33, M63, M64, M66, The "Sombrero" M104, M106, NGC2403, NGC2683, NGC7217, and views of the Observatory & Telescopes at Flagstaff.

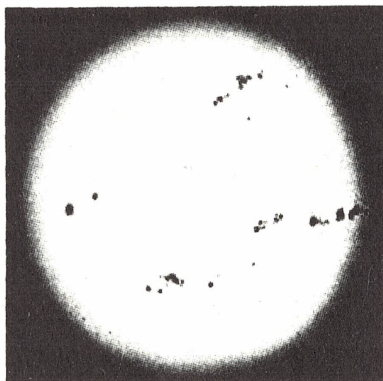
# *Space & Science Series*

## **OBJECTS OF THE SOLAR SYSTEM** **20 color slides**

- \*Mercury
- \*Earth
- \*Earth's Moon
- \*Jupiter & 2 Moons
- \*Jupiter & Io
- \*Saturn (2 views)
- \*Saturn & Earth Comparison
- \*Comet Ikeya-Seki (1965F)
- \*Breaking up of a Leonid Meteor (2 views)
- \*Jupiter's Moon, Amalthea
- \*Venus (2 views)
- \*Mars
- \*Mars' Moons, Phobos
- \*Jupiter & Red Spot
- \*Saturn & Rhea
- \*Halley's Comet



Phobos



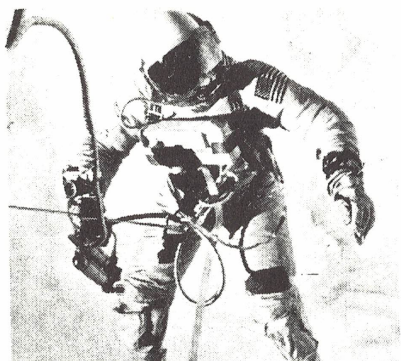
Sun Spots

# *Space & Science Series*

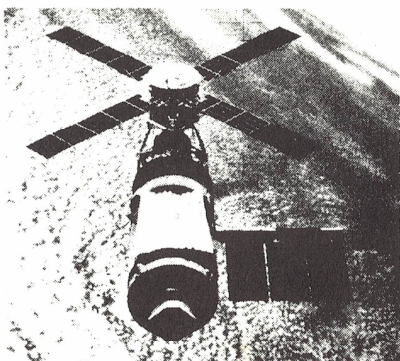
## **THE SUN/HISTORY OF A STAR** **20 color slides**

- \*Solar Prominences
- \*Sun Spots (2 views)
- \*Sun in H Alpha Light
- \*Diamond Ring During Solar Eclipse
- \*Artist Conceptions: Dust & hydrogen collapses, forming a star
- \*Planet Formation
- \*Nuclear reactions in center of a star
- \*Star swells to a red giant
- \*Star ejects outer layers, forming a planetary nebula
- \*Solar System diagram
- \*Position of Solar System in Galaxy
- \*Location of Solar System in Milky Way
- \*Milky Way Galaxy position in space
- \*Star size and temperature diagram
- \*Solar Eruptions
- \*Sun's Corona
- \*Skylab ATM View





**GEMINI SPACE WALK**



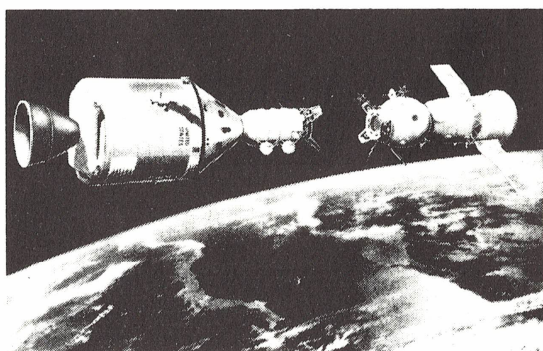
**SKYLAB IN ORBIT**

## **MERCURY & GEMINI FLIGHTS 20 color slides**

Includes: Atlas Lift-off, Glenn and Armstrong, Seven Astronauts, Mercury 2 and Chimp, Rocket Row, Gemini Capsule, Gemini 3 Crew, Space Walks, Agena in Space, Capsule Interior View and Orbital Views of Earth.

## **THE FLIGHTS OF SKYLAB 20 color slides**

Photos of Man's first space laboratory, Liftoff views, Missing Micrometeoroid Shield, Damaged Solar Array, Conrad EVA, Zero Gravity physical exam, Lousma flying in jet chair, Conrad and Kerwin working on experiment, Garriott outside of Skylab, Skylab over Earth, and orbital views of Earth.



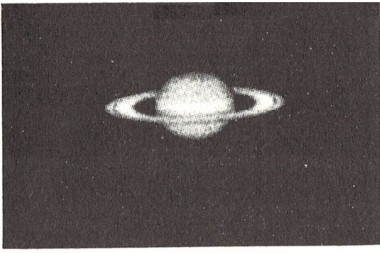
**APOLLO - SOYUZ IN ORBIT**

## **APOLLO - SOYUZ**

**20 color slides**

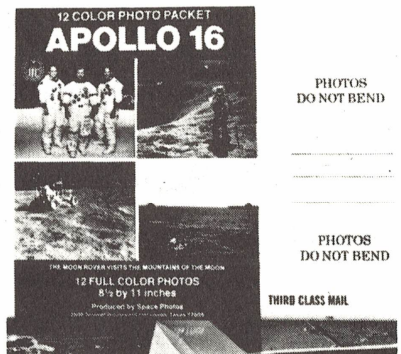
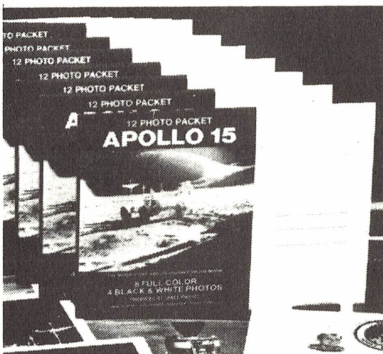
Three American astronauts and two Russian cosmonauts rendezvoused in orbit, docked and entered each others craft. For the first time space had proved that it could be an instrument of peace for mankind.

Includes: Views of astronauts and cosmonauts at work, Soyuz in orbit, Earth views, Lift-off, Splashdown, and Recovery.



## PLANETS, COMETS, METEORS 20 color slides

Major objects of the solar system taken by large observatory telescopes, including: Crescent Venus, Mars (March 1967), Mars (April 1967), Mars (May 1967), Mars drawing by Charles Capen, Jupiter and four moons, Jupiter (Jan. 1967), Jupiter (March 1969), Jupiter's Moon Ganymede (drawing), Saturn (1968) Saturn rings edge-on (1966), Uranus, Neptune (drawing), planetary conjunction (1966), Great Leonid Meteor Shower (1966), Meteor: Leonid Fireball (1966), Leonid Train (1966), Comet Ikeya-Seki Nov. 2, 1965 and Nov. 6, 1965 and Clyde Tombaugh, discoverer of Pluto.

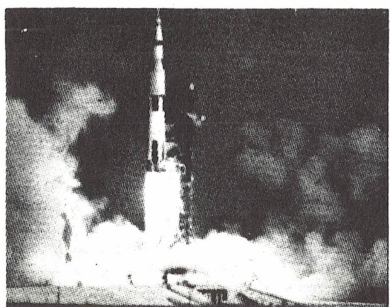


## COLOR PHOTO PACKETS

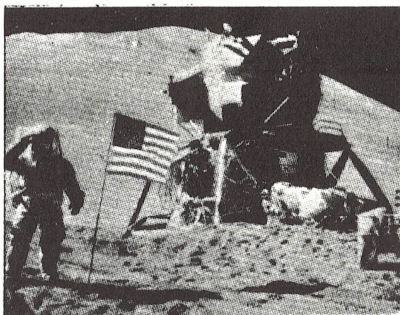
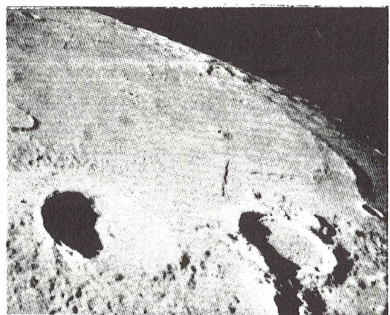
Beautiful photo sets for den or classroom display.

- APOLLO 15 - Set of 12 (8½x11")
- APOLLO 16 - Set of 12 (8½x11")
- APOLLO 17 - Set of 12 (9¼x11")
- SKYLAB Set of 12 (8½x11")
- SPACE SHUTTLE Set of 8 (8x10")





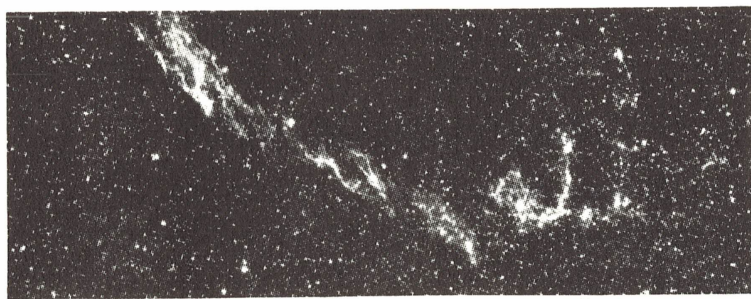
## APOLLO COLOR SLIDE SETS



Each Apollo series contains a view of the liftoff, Astronaut crews, Earth from space, Lunar features from orbit and views from the Lunar surface.

APOLLO 8	AROUND THE MOON	52 slides
	Best of Apollo 8	20 slides
APOLLO 9	TEST OF THE LUNAR MODULE	48 slides
	Best of Apollo 9	20 slides
APOLLO 10	MOON REHEARSAL	48 slides
	Best of Apollo 10	20 slides
APOLLO 11	FIRST MOON LANDING	100 slides *
	Best of Apollo 11	20 slides
APOLLO 12	RETURN TO THE MOON	80 slides *
	Best of Apollo 12	20 slides
APOLLO 13	A "LUCKY EXPERIENCE"	40 slides
	Best of APollo 13	20 slides
APOLLO 14	EXPLORING THE MOON	80 slides *
	Best of Apollo 14	20 slides
APOLLO 15	VISIT TO HADLEY RILLE	80 slides *
	Best of Apollo 15	20 slides
APOLLO 16	EXPLORING THE MTS	80 slides *
	Best of Apollo 16	20 slides
APOLLO 17	FAREWELL TO THE MOON	80 slides *
	Best of Apollo 17	20 slides
APOLLO SPECIAL		100 slides *
	with tape program and deluxe album	

\* These sets come in deluxe album.



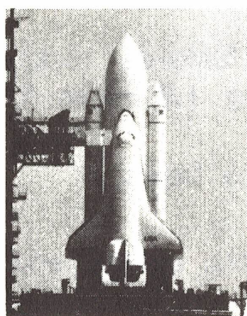
VEIL NEBULA

## OUR UNIVERSE

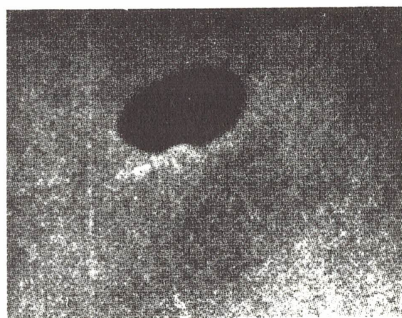
18 color slides

Comes in plastic folder with pictorial guide, information, charts and diagrams.

Includes: Horsehead Nebula, M16 & M17, Great Orion Nebula, NGC 6543 in Draco, Dumbbell Nebula, Ring Nebula, Bubble Nebula, Crab Nebula, Veil Nebula, Milky Way, M33, Whirlpool Galaxy, Quasar in Virgo, Earth from Space, Mars, Jupiter, Saturn, Sun in H-Alpha Light.



SPACE SHUTTLE



UFO ?

## SPACE SHUTTLE

20 color slides

The Space Shuttle is without a doubt man's greatest step to the stars. This is the space vehicle of today and and the future. It is able to transport many tons of people and equipment into an Earth orbit and maintain itself there for as long as 30 days. Shows the Shuttle atop a 747, and in various stages of flight.

## FAMOUS UFO's

20 color slides

Slides showing a UFO during the Gemini Flight, UFO Following a B-57 and UFO's sighted in Florida, Minnesota, Australia, Honolulu, Santa Ana, Oregon, Denmark, Seattle, Belgium, South Africa and Brazil.



## LANDERS ON MARS

**VIKING I Series G . . . . . 15 b&w slides**

### APPROACHING MARS

- \* View of Half Mars
- \* Chryse Region
- \* Cydonia Region
- \* Sinuous Rilles
- \* Valles Marineris-Huge Equatorial Canyon
- \* Mosaic of Capri Region
- \* Fault Zones
- \* Argyre Planitia
- \* Lava flows shown broken by faults and meteorite impact craters
- \* Photo taken from a range of only 962 to 1270 miles away

**VIKING I Series H . . . . . 23 b&w slides**

### MARS LANDING, JULY 20, 1976

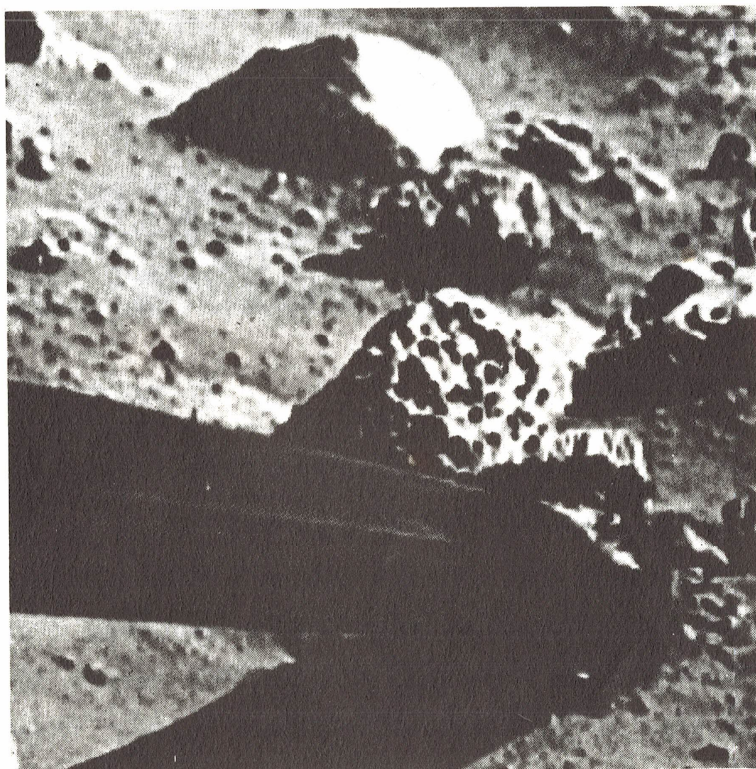
- \* First photo taken on the surface
- \* High resolution pictures of surface features, rocks, boulders near landing site, extending 1.8 miles to horizon
- \* Panoramas showing wind blown dune fields
- \* Enormous volcanoes, 17 miles high
- \* Early morning fog patches in low spots, craters, and channel bottoms
- \* Argyre & southern highlands
- \* First picture of phobos

**VIKING I Series J . . . . . 5 color slides**

- \* Half-Mars from 348,000 miles clearly showing plains, mountains, volcanoes
- \* Orange-Red surface from the landing site
- \* Martian sunset over Chryse Planitia

**VIKING I Series K . . . . . 20 b&w slides**

- \* Orbit views of channel complex in the Chryse Region
- \* Cydonia Area
- \* Chryse Planita
- \* Martian Craters including Arandas
- \* Mosaic of Valles Marineris a huge equatorial canyon system
- \* Arsia Mons Volcanoe
- \* Nilosyrtis Region
- \* Deimos



## LANDERS ON MARS

### VIKING 2 Series A ..... 8 b&w slides

- \* Photo of Mars at crescent phase
- \* Viking 2 landing site
- \* Viking 2's first surface picture
- \* 85° panorama of the rocky Martian plain

### VIKING 2 Series B ..... 13 b&w slides

- \* Utopia - Northern Plains
- \* High resolution surface features
- \* Mosaic of surface to the horizon 3 kilometers away
- \* Sequence of surface soil sampler
- \* Most detailed photo of Phobos ever taken
- \* Close-up details of north polar ice cap

### VIKING 2 Series L ..... 8 color slides

- \* High resolution photo of Mars from orbit showing surface features
- \* A Utopian bright summer afternoon on Mars
- \* 200 degree panorama of the rusty-red Martian landscape
- \* U.S. Flag with Martian surface in the background

### BEST VIKING - MARS

20 color slides





## THE SKIES ABOVE ..... 20 color slides

Taken by the telescopes of the U. S. Naval Observatory at Flagstaff, Arizona, including planets and some of the most interesting and dramatic deep-sky objects: The Crab Nebula, Lagoon Nebula, Trifid Nebula, Dumbbell Nebula, Great Nebula in Orion, Ring Nebula, Veil Nebula, M-13, Milky Way in Sagittarius, Andromeda Galaxy, Elliptical Galaxies M32 & NGC205, Whirlpool Galaxy, M82 NGC 4565, NGC5907, NGC6946, Jupiter with red spot visible, Saturn with rings nearly edge on, North celestial pole star trails, and Aurora



## THE SOLAR SYSTEM ..... 20 color slides

A Collection from NASA and other sources, this set covers all the major bodies of the solar system. Included are: Artist's conceptions of the solar system, the formation of the planets, Sun, Mercury, Venus in ultraviolet light, Crescent Venus, Earth, Full Moon, Mars, Olympus Mons Volcano on Mars, Grand Canyon of Mars, Sinuous Channel on Mars, Phobos, Jupiter with Moons, Jupiter's Great Red Spot, Saturn with rings nearly full on, Saturn with rings edge on, Uranus and Neptune, Pluto, and Comet Ikeya (1965)



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We now offer beautiful LASER IMPACT PHOTO PRINTS. They have the highest quality and the lowest prices to be found anywhere. Their tremendous detail, resolution, sharpness, and clarity is made possible by the latest computer technology and revolutionary laser-beam scanner color separation. Each print is printed on heavy, very high quality paper that is 75% hard wood pulp. A special glossy coating helps preserve the print. These are the finest prints you can buy at any price. If you are not delighted, just return undamaged for money back.

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EACH ADDITIONAL PRINT, ONLY \$6.00 EACH. (Frames are available, see below.)

- 1300 APOLLO ASTRONAUT, WITH LUNAR MODULE, LUNAR ROVER, & MOUNTAIN IN BACKGROUND.
- 1301 FULL EARTH VIEW FROM SPACE, SHOWING THE CONTINENT OF AFRICA.
- 1302 VIEW OF SPACE SHUTTLE ON LAUNCH PAD 39A. (DAY SCENE)
- 1303 NIGHT VIEW OF SPACE SHUTTLE ON LAUNCH PAD, WITH FULL MOON IN SKY.
- 1304 ORBIT VIEW OF EARTH RISE OVER THE MOON.
- 1324 NIGHT LIFT-OFF VIEW OF APOLLO 17, SATURN V ROCKET.
- 1328 COLOR-ENHANCED VIEW OF SATURN'S BELTS AND ZONES.
- 1329 DETAILED NIGHT VIEW OF SHUTTLE, SHOWING LAUNCH PAD & SUPPORT FACILITIES.
- 1333 SPACE SHUTTLE COLUMBIA'S GRACEFUL TOUCHDOWN ON DRY LAKEBED.
- 1335 SPECTACULAR LIFT-OFF VIEW OF COLUMBIA THUNDERING PAST SERVICE TOWER.

## ● **Set 1 8x10 Set of 6 - only \$12.00** (PPD IN USA)

- \* SATURN APOLLO 15 ROCKET LIFT-OFF.
- \* SPACE SHUTTLE PIGGBACK ON 747.
- \* AERIAL VIEW OF SHUTTLE ON CRAWLER TRANSPORTER.
- \* SPACE SHUTTLE ON CRAWLER TRANSPORTER (GROUND VIEW)
- \* ASTRONAUT ALDRIN BESIDE U.S.A. FLAG ON LUNAR SURFACE.
- \* INTERIOR VIEW OF SPACE SHUTTLE FLIGHT CONTROL DECK.

## ● **Set 2 8x10 Set of 6 - only \$12.00** (PPD IN USA)

- \* EARTH VIEW FROM SPACE SHOWING U.S.A. & MEXICO.
- \* LIGHTNING STRIKES APOLLO 15 SATURN V ON LAUNCH PAD.
- \* APOLLO 15 SATURN V LIFT-OFF, SHOWING LAUNCH COMPLEX.
- \* SHUTTLE COLUMBIA NEARING TOUCHDOWN OVER MAJAVE DESERT.
- \* SHUTTLE COLUMBIA THUNDERS PAST LAUNCH SERVICE TOWER AT LIFT-OFF.
- \* SPECTACULAR LIFT-OFF VIEW OF COLUMBIA'S MAIDEN FLIGHT.

## ● **Set 3 5x7 Set of 20 - only \$10.95** (PPD IN USA)

- \* SEVEN PHOTOS OF THE SPACE SHUTTLE, INCLUDES: SHUTTLE ON LAUNCH PAD, BOTH DAY AND NIGHT SCENES, LIFT-OFF & LANDING, AND PIGGY-BACK ON 747.
- \* SIX VIEWS OF SATURN V ROCKETS: ON LAUNCH PAD, AT VEHICLE ASSEMBLY BUILDING, LIFT-OFF, AND TWO NIGHT LAUNCH VIEWS.
- \* EARTH FROM SPACE, EARTH RISES OVER THE MOON, ENHANCED VIEW OF SATURN, ROCKETS AT KENNEDY SPACE CENTER, AND APOLLO CAPSULE SPLASH DOWN, MORE.

## ● **Frames FOR THE ABOVE PRINTS** (Does not include photo.)

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